

PRODUCT INFORMATION

ECOSE[®] PREMIUM TURBINE OILS

ECOSE[®] Premium Turbine Oils are formulated with extra refined base oils and an additive system specifically designed for use in turbines where extra resistance to oxidation and long product life are essential.

FEATURES AND BENEFITS:

The superior oxidation resistance of this product line is shown in the ASTM D-943 test with typical results of over 10,000 hours. **ECOSE[®] Premium Turbine Oils** provide excellent resistance to foaming and good air-release characteristics. Additionally, they also offer the following benefits:

- Superior oxidation stability for long service life
- Rapid water separating characteristics to minimize emulsions
- Fast air release minimizes possibility of pump cavitation
- High VI with excellent lubricating performance
- Rust and corrosion protection
- Minimization of sludge and varnish formations
- Mild antiwear protection helps extend equipment life

APPLICATIONS:

ECOSE[®] Premium Turbine Oils are designed for lubricating gas, steam, and hydroelectric turbines and for central station turbo-generators, which are precision machined and require close tolerances for intricately balanced mechanisms. Additionally, these oils are very well suited as air line lubricant for air tools, rotary air and gas compressors, and gearing that is lightly loaded.

Recommended for:

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| • General Electric GEK 32568F | • US Steel 126 |
| • General Electric GEK 107395 | • Solar ES9-244W |
| • AFNOR and Denison Filterability Test Pass | • MIL-L-17672D |
| • British Standard 489 | • Denison HF-1 |
| • DIN 51515; 51524, Part 1 | |

AVAILABILITY:

ECOSE[®] Premium Turbine Oils are available throughout Nu-Tier Brands' marketing area. Your Nu-Tier representative can provide specific information. Need additional information? Call Nu-Tier Brands @ 1-877-771-LUBE (5823) or visit Nu-tierbrands.com.

ECOSE® Premium Turbine Oils

Typical Properties

ISO Viscosity Grade		32	46	68	100	150
Product Code	Test Method	534101	534103	534105	534107	534109
Viscosity, cSt @ 40°C	ASTM D-445	30.5	45	66	98	142
Viscosity, cSt @ 100°C	ASTM D-445	5.3	6.7	8.6	11.3	14.5
Viscosity, SUS @ 100°F	ASTM D-2161	155	210	353	521	787
Viscosity, SUS @ 210°F	ASTM D-2161	43	49	55	65	77
Viscosity Index	ASTM D-2270	100	100	100	100	96
Color	ASTM D-1500	L1.0	L1.0	L1.0	L1.0	L1.5
Pour Point, °F (°C) (Max.)	ASTM D-5949	-20 (-29)	-20 (-29)	-20 (-29)	-10 (-23)	-5 (-21)
Flash Point, COC, °F (°C)	ASTM D-92	410 (210)	430 (218)	440 (227)	455 (238)	470 (243)
Rust Test	ASTM D-665 A&B	Pass (1)	Pass (1)	Pass (1)	Pass (1)	Pass (2)
Oxidation Stability, hours	ASTM D-943	10,000+	10,000+	10,000+	5,000+	3,000+
Gravity, API	ASTM D-4052	32.0	31.7	31.5	31.4	31.3
Density, lbs/gal	Calculated	7.10	7.21	7.23	7.23	7.24

(1) Procedure A and B

(2) Procedure A